

Amendments to the Claims:

/ This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A process for developing a dialog system, including generating a plurality of sample interactions representative of interactions between said dialog system and a user of said dialog system on the basis of definition data for said dialog system.

Claim 2 (currently amended): ~~A process as claimed in~~ The process of claim 1, wherein said step of generating includes automatically generating a plurality of prompts on the basis of said definition data, providing said prompts to a user, and receiving responses to said prompts from said user.

Claim 3 (currently amended): ~~A process as claimed in~~ The process of claim 1, wherein said step of generating includes automatically generating a plurality of prompts on the basis of said definition data, and automatically generating responses to said prompts on the basis of said definition data.

Claim 4 (currently amended): ~~A process as claimed in~~ The process of claim 1, wherein said sample interactions include interaction text and application data.

Claim 5 (currently amended): ~~A process as claimed in~~ The process of claim 3, wherein said step of generating a plurality of sample interactions includes generating first sample interactions, each of said first sample interactions including interaction text and one item of application data; and subsequently generating second sample interactions, each of said second sample interactions including interaction text and two or more items of application data.

Claim 6 (currently amended) ~~A process as claimed in~~ The process of claim 3, wherein said step of generating a plurality of sample interactions includes generating a plurality of

prompts and respective lists of possible responses to said prompts, and selecting responses from said lists.

Claim 7 (currently amended): ~~A process as claimed in~~ The process of claim 6, wherein said step of selecting includes randomly selecting unselected responses from said lists.

Claim 8 (currently amended): ~~A process as claimed in~~ The process of claim 6, including identifying a dialog state with at least one unselected response, and determining a sequence of events for entering said dialog state.

Claim 9 (currently amended): ~~A process as claimed in~~ The process of claim 8, wherein said sequence of events is determined on the basis of sample interactions.

Claim 10 (currently amended): ~~A process as claimed in~~ The process of claim 8, wherein said step of determining includes determining a first sequence of events for reaching an end dialog state and a second sequence of events for reaching said dialog state from an initial dialog state.

Claim 11 (currently amended): ~~A process as claimed in~~ The process of claim 8, including determining two or more sequences of events for entering said dialog state and selecting from said two or more sequences to determine an event sequence with the least number of events.

Claim 12 (currently amended): ~~A process as claimed in~~ The process of claim 8, wherein said step of determining a sequence of events for entering said dialog state includes providing one or more prompts to a user and receiving one or more responses from said user.

Claim 13 (currently amended): ~~A process as claimed in~~ The process of claim 8, including generating events on the basis of said sequence to enter said dialog state.

Claim 14 (currently amended): ~~A process as claimed in~~ The process of claim 3, wherein said step of automatically generating a plurality of prompts includes selecting grammar rules of said definition data to generate prompts that are likely to have responses having the largest numbers of items of information.

Claim 15 (currently amended): ~~A process as claimed in~~ The process of claim 1, including modifying said sample interactions on the basis of interaction data received from a developer.

Claim 16 (currently amended): ~~A process as claimed in~~ The process of claim 15, wherein said definition data includes prompt data, and the process includes modifying said prompt data on the basis of said interaction data.

Claim 17 (currently amended): ~~A process as claimed in~~ The process of claim 16, wherein said prompt data is in a grammar format.

Claim 18 (currently amended): ~~A process as claimed in~~ The process of claim 1, including using grammar learning to update prompt data of said definition data on the basis of said sample interactions.

Claim 19 (currently amended): ~~A process as claimed in~~ The process of claim 18, including updating prompts of said sample interactions on the basis of the updated prompt data.

Claim 20 (currently amended): ~~A process as claimed in~~ The process of claim 19, including selecting prompts of said sample interactions for updating if said prompts have not been modified by a developer.

Claim 21 (currently amended): ~~A process as claimed in~~ The process of claim 1, including generating said definition data on the basis of specification data received from a developer.

Claim 22 (currently amended): ~~A process as claimed in~~ The process of claim 21, wherein said definition data is generated on the basis of said specification data and one of a predetermined dialog application and at least one dialog application template.

Claim 23 (currently amended): ~~A process as claimed in~~ The process of claim 1, wherein said definition data includes dialog state machine code, at least one recognition grammar and prompt data.

Claim 24 (currently amended): ~~A process as claimed in~~ The process of claim 23, wherein said prompt data includes at least one prompt grammar.

Claim 25 (currently amended): A development system having components for executing the steps process of ~~any one of~~ claims 1 to 24.

Claim 26 (currently amended): A computer readable storage medium having stored thereon program code instructions for executing the steps process of ~~any one of~~ claims 1 to 24.

Claim 27 (currently amended): A dialog application generated by executing the steps process of ~~any one of~~ claims 1 to 24.

Claim 28 (original): A development system, including a scenario generator for generating a plurality of sample interactions representative of interactions between a dialog system and a user of said dialog system on the basis of definition data for said dialog system.

Claim 29 (currently amended): ~~A development system as claimed in~~ The development system of claim 28, wherein said definition data includes state machine code, prompt data, and recognition data.

Claim 30 (currently amended): ~~A development system as claimed in~~ The development system of claim 29, including a simulator for generating prompts of said sample interactions on the basis of said prompt data, and wherein said scenario generator is adapted to generate responses to said prompts on the basis of said recognition data.

Claim 31 (currently amended): ~~A development system as claimed in~~ The development system of claim 29, including a scenario editor for modifying said sample interactions.

Claim 32 (currently amended): ~~A development system as claimed in~~ The development system of claim 31, wherein said scenario generator generates graphical user interface components for modifying said sample interactions.

Claim 33 (currently amended): ~~A development system as claimed in~~ The development system of claim 31, including at least one learning component for updating at least one of said prompt data and said recognition data on the basis of the modified sample interactions.

Claim 34 (currently amended): ~~A development system as claimed in~~ The development system of claim 28, including an application builder for generating said definition data on the basis of at least one of specification data provided by a developer, an application template, and an existing application.

Claim 35 (currently amended): A dialogue application generated by a ~~development system as claimed in~~ The development system of ~~any one of claims 28 to 34.~~

Claim 36 (original): A graphical user interface for use in developing a dialog system, said interface including graphical user interface components for modifying sample interactions representative of interactions between said dialog system and a user of said dialog system.

Claim 37 (currently amended): ~~A graphical user interface as claimed in~~ The graphical user interface of claim 36, wherein said graphical user interface components include a component for deleting a selected sample interaction.

Claim 38 (currently amended): ~~A graphical user interface as claimed in~~ The graphical user interface of claim 37, wherein said graphical user interface components include a component for a developer to select a predetermined reason why said selected sample interaction was deleted.

Claim 39 (currently amended): ~~A graphical user interface as claimed in~~ The graphical user interface of claim 36, wherein said graphical user interface components include a component for defining a question and an answer to said question for display to a user of said dialog system.

Claim 40 (currently amended): ~~A graphical user interface as claimed in~~ The graphical user interface of claim 39, wherein said graphical user interface components include a question text component for defining question text and an answer text component for defining answer text.

Claim 41 (currently amended): ~~A graphical user interface as claimed in~~ The graphical user interface of claim 39, wherein said graphical user interface components include a component for selecting from a list of predetermined answers to said question.

Claim 42 (currently amended): ~~A graphical user interface as claimed in~~ The graphical user interface of claim 39, wherein said graphical user interface components include a component for specifying whether said question can be asked at any time.

Claim 43 (currently amended): ~~A graphical user interface as claimed in~~ The graphical user interface of claim 39, wherein said graphical user interface components include a component for specifying that said question can be asked during a selected sample interaction.